

WORKSHEET 2

FOR CLASS IX

1) Draw a diagram to show that the motion of a body whose speed remains constant, but velocity changes continuously.

2) Derive the ~~eq~~ equation of motion!

(i) $v = u + at$

(ii) $s = ut + \frac{1}{2}at^2$

(iii) $v^2 - u^2 = 2as$

3) A sound of frequency 640 Hz travels 800 m in 2.5 s.

Calculate (i) Speed of sound

(ii) Wavelength of sound wave.